

L Number	Hits	Search Text	DB	Time stamp
1	1	(al aluminum) near (cr\$lni ni\$1cr) same bonding same electrode	USPAT; EPO; JPO	2004/07/07 10:18
2	12	(al aluminum) with (cr\$lni ni\$1cr) same bonding same electrode	USPAT; EPO; JPO	2004/07/07 10:18
51	0	ultrasonic with electrode and (al aluminum) near (cr\$lni ni\$1cr)	USPAT; EPO; JPO	2004/07/07 11:45
52	1	ultrasonic with bonding and (al aluminum) near (cr\$lni ni\$1cr)	USPAT; EPO; JPO	2004/07/07 11:45
53	1	ultrasonic same bonding and (al aluminum) near (cr\$lni ni\$1cr)	USPAT; EPO; JPO	2004/07/07 11:47
54	11	(ultrasonic heat) same bonding and (al aluminum) near (cr\$lni ni\$1cr)	USPAT; EPO; JPO	2004/07/07 12:15
55	6940	228/1.1, 110.1, 189.22.ccls.	USPAT; EPO; JPO	2004/07/07 12:16
56	1	(228/1.1, 110.1, 189.22.ccls.) and (al aluminum) with (cr\$lni ni\$1cr)	USPAT; EPO; JPO	2004/07/07 12:18
57	78	(228/1.1, 110.1, 189.22.ccls.) and electrode with (al aluminum)	USPAT; EPO; JPO	2004/07/07 12:18
-	8	(surface adj1 acoustic).ti. and (taga).in.	USPAT; US-PGPUB	2003/05/30 10:39
-	19	saw and electrode and (nicr or crni) and (au gold) and (al or aluminum)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:31
-	8	surface adj1 acoustic adj1 wave and electrode and (nicr or crni) and (au gold) and (al or aluminum)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:34
-	49	piezoelectric and electrode and (nicr or crni) and (au gold) and (al aluminum)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:40
-	103	orientat\$3 and electrode and (nicr or crni) and (au gold) and (al aluminum)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:41
-	85	orientat\$3 and electrode and (nicr or crni) and (au gold) and (al aluminum) and reduc\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:47
-	218	bond\$3 and substrate and electrode and (nicr or crni) and (au gold) and (al aluminum)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:04
-	189	(bond\$3 and substrate and electrode and (nicr or crni) and (au gold) and (al aluminum)) and (heat\$3 or ultrasonic)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 11:48
-	10	("3891873" "4259607" "4692653" "5108950" "5440125" "5699027" "5844347" "5991989" "6028011" "6137184").PN.	USPAT	2003/05/30 12:07
-	11	("5058800" "5459368" "5699027" "5712523" "5821665" "5991989" "6131257" "6246013" "6321444" "6329739" "6369490" "2002/0003459").PN.	USPAT	2003/05/30 13:38
-	6	("3721841" "3959747" "4259607" "4477952" "4736128" "5325012").PN.	USPAT	2003/05/30 13:49
-	3	crack\$3 and bond\$3 and substrate and electrode and (ni\$1cr or cr\$lni) and gold with bump and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:13
-	11	("3597269" "3767492" "3771218" "3853496" "3985597" "4001870" "4001871" "4017866" "4039371" "4040083" "4926238").PN.	USPAT	2003/05/30 14:12
-	6	5391915.URPN.	USPAT	2003/05/30 14:12

-	0	bond\$3 and reduc\$3 with orientat\$3 and electrode and (ni\$1cr or cr\$1ni) and gold with bump and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:14
-	0	bond\$3 and diffract\$3 and electrode and (ni\$1cr or cr\$1ni) and gold with bump and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:15
-	2	bond\$3 and diffract\$3 and electrode and (ni\$1cr or cr\$1ni) and gold and bump and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:16
-	1	bond\$3 and intermediate with electrode and (ni\$1cr or cr\$1ni) and gold and (bump ball) and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:19
-	17	bond\$3 and intermediate and electrode and (ni\$1cr or cr\$1ni) and gold and (bump ball) and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:20
-	72	intermediate and electrode and (ni\$1cr or cr\$1ni) and gold and aluminum	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:43
-	150	locking adj1 curve	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:47
-	36	(locking adj1 curve) and electrode	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:43
-	3	4182793.URPN.	USPAT	2003/05/30 14:47
-	428	lock\$3 adj1 curv\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:48
-	1	(lock\$3 adj1 curv\$3) and intermediat\$1 adj1 electrode	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:49
-	11	(lock\$3 adj1 curv\$3) and intermediat\$1 and electrode	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:50
-	712	electrode and (bump pad ball) and melt\$3 adj1 point and gold and aluminum and (nickel crome)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:52
-	18	electrode and (bump pad ball) and melt\$3 adj1 point and gold and aluminum and (ni\$1cr cr\$1ni)	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 14:57
-	346	electrode and (bump pad ball) and melt\$3 adj1 point and gold and aluminum and nickel and chromium	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 15:00
-	126	(electrode and (bump pad ball) and melt\$3 adj1 point and gold and aluminum and nickel and chromium) and intermediat\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 15:00
-	103	((electrode and (bump pad ball) and melt\$3 adj1 point and gold and aluminum and nickel and chromium) and intermediat\$3) and bond\$3	USPAT; EPO; JPO; DERWENT; IBM_TDB	2003/05/30 15:00
-	43	electrode and pad and (crni nicr ni\$1cr cr\$1ni) and (al aluminum) with alloy	USPAT; EPO; JPO	2003/12/03 15:57
-	0	54128280.URPN.	USPAT	2003/12/03 15:57

-	471	electrode and (crni nicr ni\$1cr cr\$1ni)	USPAT;	2003/12/03
-	434	and (al aluminum) and alloy and bond\$3	EPO; JPO	17:15
-		(electrode and (crni nicr ni\$1cr cr\$1ni)	USPAT;	2003/12/03
-		and (al aluminum) and alloy and bond\$3)	EPO; JPO	16:01
-		and (heat\$3 ultrasonic)		
-	360	((electrode and (crni nicr ni\$1cr cr\$1ni)	USPAT;	2003/12/03
-		and (al aluminum) and alloy and bond\$3)	EPO; JPO	16:01
-		and (heat\$3 ultrasonic)) and substrate		
-	8	("5900643" "6104597" "6166424"	USPAT	2003/12/03
-		"6178082" "6208500" "6226171"		16:03
-		"6278153" "6282079").PN.		
-	2	("5958576" "6159593").PN.	USPAT	2003/12/03
-				16:10
-	28	piezoelectric and electrode and (crni	USPAT;	2003/12/03
-		nicr ni\$1cr cr\$1ni) and (al aluminum) and	EPO; JPO	17:16
-		alloy and bond\$3		
-	1	6369490.pn.	USPAT;	2004/07/06
-			EPO; JPO	13:57